



**DATASHEET**

**Active MultiCoupler**

P/N  
560-00563-000



- Active multiplexing unit of two antennas to 8 + 8 receivers in VLF and HF band;
- Realized with state-of-the-art magnetic materials;
- High linearity, low insertion loss, low crosstalk level;
- Insertion loss recovery by low noise figure amplifier and high dynamic on Input;
- Intermodulation control with signals > +20 dBm, obtained by automatic insertion of a 20dB attenuator;
- The Input attenuator insertion can be programmed also via an external open collector signal (optional).

**TECHNICAL SPECIFICATIONS**

**ENVIRONMENTAL SPECIFICATIONS**

Number of Antenna Inputs	: 2
Number of Outputs (receivers)	: 8 + 8
Frequency Range	: 10 KHz ÷ 32 MHz 1st Antenna 10 KHz ÷ 32 MHz 2nd Antenna
Impedance	: 50 Ohm
Insertion Loss In/Out	: 0 dB ± 1 dB 0 dB ± 2 dB at frequency band edges
VSWR	: ≤ 2:1 from 10 to 20 KHz ≤ 1,5:1 from 20 KHz to 30 MHz
Outputs decoupling	: ≥ 30 dB
Maximum Applicable Continuous Signal	: 10 W RMS
Power Supply	: 220 / 110 Vac with automatic voltage switching, 40 VA
RF Connector	: N Type for antenna Inputs BNC Type for receiver Outputs
Dimensions	: 19" 1U Standard Rack, Depth: 270 mm
Weight	: 4 Kg

Operating Temperature	: - 10° C ÷ + 50° C
Storage Temperature	: - 20° C ÷ + 85° C